



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|   |   |                            |
|---|---|----------------------------|
| In re Application of:   | : |                            |
| Wang et al.   | : |                            |
| Application No. 10/036,332  | : | Art Unit: not yet assigned |
| Filed: Dec. 24, 2001  | : | Examiner: not yet assigned |
| For: CARBON NANOTUBE<br>CONTAINING CATALYSTS,<br>METHODS OF MAKING AND<br>REACTION CATALYZED OVER<br>NANOTUBE CATALYSTS | : | Atty Docket: 12860E-CIP    |

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

Pursuant to the duty of disclosure under 37 CFR §§ 1.56 and 1.97-1.99, the documents listed on the attached Form(s) PTO-1449 are being brought to the attention of the Examiner in charge of the above-identified application. Because no Action On The Merits has been received, it is believed that no fees are due; however, if any fees are required for consideration of this Information Disclosure Statement, please charge such fees to Deposit Account No. 50-1749.

The Examiner is respectfully requested to initial the space adjacent each document entry on the Form(s) PTO-1449, and to return a copy of the initialled Form(s) PTO-1449 to confirm that the documents have been considered and have been officially made of record in this application.

If the Examiner has any questions or wishes to discuss this application, the Examiner is invited to telephone the undersigned representative at the number set forth below.

Respectfully submitted,

Date: 4 Aug. 2003

By: Frank S. Rosenberg

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**Form PTO-1449**
**Information Disclosure Citation**

Attorney Docket  
12860-E-CIP

Application No.  
10/036,332

Applicant  
Wang et al.

Filing Date  
Dec. 24, 2001

Group Art Unit  
nya

**U.S. Patent Documents**

| Examiner Initial |    | Patent Number | Date | Name                   | Class | Sub-Class | Filing Date |
|------------------|----|---------------|------|------------------------|-------|-----------|-------------|
|                  | AA | 0035769A1     | 2003 | Moy et al.             |       |           | 6/11/2002   |
|                  | AB | 6,361,861     | 2002 | Gao et al.             | 428   | 367       | 6/14/1999   |
|                  | AC | 6,325,909     | 2001 | Li et al.              | 205   | 106       | 12/3/1999   |
|                  | AD | 6,232,706     | 2001 | Dai et al.             | 313   | 309       | 11/12/1998  |
|                  | AE | 6,129,901     | 2000 | Moskovits et al.       | 423   | 447.3     |             |
|                  | AF | 6,099,965     | 2000 | Tennett et al.         | 428   | 408       |             |
|                  | AG | 5,645,891     | 1997 | Liu et al.             | 427   | 376.2     |             |
|                  | AH | 5,366,719     | 1994 | van Windergeren et al. | 423   | 659       |             |

**Foreign Patent Documents**

|  |    | Document Number | Date      | Country | Class | Sub-Class | Translation |
|--|----|-----------------|-----------|---------|-------|-----------|-------------|
|  | AI | WO 01/12312     | 2/22/2001 | PCT     |       |           | Yes No      |

**Other Documents** (Including Author, Title, Date, Pertinent Pages, etc.)

|  |    |  |
|--|----|--|
|  | AJ | International Search Report from PCT/US 02/40874 (June 2003)   |
|  | AK | Duxiao et al., "Catalytic growth of carbon nanotubes from the internal surface of Fe-loading mesoporous molecular sieves materials," Materials Chem. And Phys., 69, 246-251 (2001).        |
|  | AL | Johnson et al., "Adhered supported carbon nanotubes," J. Nanoparticle Research, 3, 63-71 (2001).   |
|  | AM | Huczko, "Template-based synthesis of nanomaterials," Appl. Phys. A. 70, 365-376 (2000).  |
|  | AN | Ago et al., "Dispersion of metal nanoparticles for aligned carbon nanotube arrays," Appl. Phys. Lett., 77, 79-81 (July, 2000).   |
|  | AO | Xie et al., "Synthesis and Characterization of Aligned Carbon Nanotube Arrays," Advanced Materials, 11, 1135-1138 (1999).  |
|  | AP | Xu et al., "Controlling growth of field emission property of aligned carbon nanotubes on porous silicon substrates," Appl. Phys. Lett., 75, 481-483 (1999).                                |
|  | AQ | Burghard et al., "Assembling techniques for micellar dispersed carbon single-walled nanotubes," Electronic Properties of Novel Materials: XII, ed. Kuzmany, Am. Inst. Phys., 44-49 (1998). |

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.